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## WEST INDIAN MOSSES IN FLORIDA

ELIZABETH G. BRITTON

*Mittenothamnium diminutivum* (*H. thelistegum*)<sup>1</sup> and *Thuidium involvens* have recently been recognized and collected by Mr. Severin Rapp at Sanford, Florida. Dr. Small has collected abundant specimens of both these species in the vicinity of Miami, duplicates of which have been sent to Mr. Rapp. Diligent search and a keen eye have resulted in finding them both together "on logs in hammock," and Mr. Rapp is to be congratulated on discovering them several hundred miles farther north than they were previously known.

NEW YORK BOTANICAL GARDEN

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## ARCHIDIUM CUBENSE SP. NOV.

Antoicous; usually a single male flower, nearly or quite sessile, among several fertile flowers near the apex of the stem; the inner perigonal leaves broad, more or less pointed, mostly entire, ecostate or partly costate, often not much longer than the antheridia; the outer leaves similar to those of the stem but rather larger; antheridia 5-6, about 0.4 mm. long, without paraphyses: plants in brownish green mats with erect stems 3-5 mm. long, mostly simple or sometimes divided about half-way up into 2 or 3 branches and bearing usually 3-5 flowers rather crowded on very short branches or almost sessile, at or near the apex of the stem; upper stem-leaves ovate-lanceolate, about 1 mm. long, mostly slightly serrulate in the upper part, the margins more or less recurved: costa shortly excurrent, sometimes rather stouter in the upper part than near the base; leaf-cells with somewhat thickened, colored walls throughout; the median usually 6-7 $\mu$  wide and 40-60 $\mu$  long, the basal mostly shortly rectangular, 8-12 $\mu$  wide by 12-20 $\mu$  long; inner perichaetial leaves the largest, paler and broader than those of the stem, sometimes rather irregular above with a few coarse teeth a little below the apex, the costa pale in the upper part and sometimes not quite percurrent; capsule globose, 0.35-0.40 mm. in diameter, immersed, on a short, top-shaped vaginule; spores more or less roundish, up to 175 $\mu$  in diameter, minutely punctate; calyptra not seen.

Type locality: Savana, west of Manacas, Santa Clara Co., Cuba. (Leon & Cayanas, Dec., 1915, 6002, type; also obtained by the same collectors in wet, sandy savana near Mardago, Dec., 1915, 6001.)

This species has the inflorescence of *A. ohioense*; it differs in the shorter-pointed leaves, the leaf-cells colored to the base, with thicker walls, the cells also longer and narrower in the upper part of the leaf, becoming short-rectangular toward the base.

R. S. WILLIAMS

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<sup>1</sup> See *BRUYOLOGIST* 17: 9, 1914.